## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| **Applicant:** BRIAN WHITMAN, et al. | | **Docket:** 14855 |
| **Serial No:** unassigned | | **Dated:** August 27, 2001 |

**Filed:** herewith

**For:** EXTRACTING CLASSIFYING DATA IN MUSIC
FROM AN AUDIO BITSTREAM

Assistant Commissioner for Patents
United States Patent and Trademark Office
Washington, D.C. 20231

## INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, it is requested that the

following references, which are also listed on the attached Form PTO-1449, be made of

record in the above-identified case.

1. "An Overview of Audio Information Retrieval," J. Foote, ACM-Springer
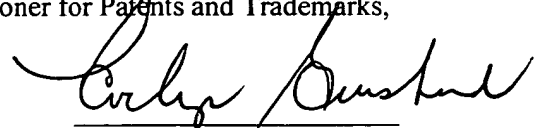
Multimedia Systems, 1998;

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### "CERTIFICATE OF MAILING BY "EXPRESS MAIL"

**"Express Mail" Mailing Label Number: EL-793-481-540-US**
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I hereby certify that this correspondence is being deposited with the United States Postal
Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date
indicated above and is addressed to the Assistant Commissioner for Patents and Trademarks,
Washington, D.C. 20231 on August 27, 2001.

Dated: <u>August 27, 2001</u>

Evelyn Guishard

2.      "Towards Instrument Segmentation for Music Content Description: a Critical Review of Instrument Classification Techniques," Herrera, P. et al., Proceedings of ISMIR 2000, Plymouth, MA;

3.      "Audio Information Retrieval (AIR) Tools," Tzanetakis, G. et al., Proceedings of ISMIR 2000, Plymouth, MA,

4.      "ARTHUR: Retrieving Orchestral Music by Long-Term Structure," J. Foote,  Proceedings of ISMIR 2000, Plymouth, MA;

5.      "Mel Frequency Cepstral Coefficients for Music Modeling," B. Logan,  Proceedings of ISMIR 2000;

6.      Moodlogic, www.Moodlogic.com, http://www.moodlogic.com/p117.html

7.      Relatable, www.Relatable.com, http://www.relatable.com/tech/engine.html

8      "A Comparison of Language modeling and Probabilistic Text Information Retrieval Approaches to Monophonic Music Retrieval," J. Pickens,  Proceedings of ISMIR 2000, Plymouth, MA;

9.      "NODElib Documentation," G.W. Flake,http://www.neci.nj.nec.com/homepages/flake/nodelib/html /;

10.      "Efficient SVM Regression Training with SMO," Machine Learning, to appear 2001, G.W. Flake, et al.,

11.      "Musical Instrument Identification: A Pattern-Recognition Approach," K.D. Martin, et al., Presented at the 136th Meeting of the Acoustical Society of America, 1998;

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12. "A Tutorial on Support Vector Machines for Pattern Recognition," C.J.C. Burges, Kluwer Academic Publishers, Boston, Manufactured in The Netherlands, 1998;

13. "Neural Networks for Real World Tasks Limitations and Solutions," S.R. Lawrence, page 39 of thesis dated August 12, 1996; and

14. "The Nature of Statistical Learning Theory," V.N. Vapnik, pages 133-141, 1995.

15. Bitbop, www.Bitbop.com, http://www.bitbop.com/press-bp20010508.html

Applicants are submitting a copy of the above-cited references. The relevance of references 1-7 has been described in the specification.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,

Paul J. Esatto, Jr.
Registration No.: 30,749

Scully, Scott, Murphy & Presser
400 Garden City Plaza
Garden City, New York 11530
(516) 742-4343

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| | INFORMATION DISCLOSURE CITATION _(Use several sheets if necessary)_ | ATTY DOCKET NO. 1485● | | SERIAL NO. unassigned | |
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## OTHER DOCUMENTS  _(Including Author, Title, Date, Pertinent Pages, Etc.)_

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| | | "An Overview of Audio Information Retrieval," J. Foote, ACM-Springer Multimedia Systems, 1998. "Towards Instrument Segmentation for Music Content Description: a Critical Review of Instrument Classification Techniques," Herrera, P. et al., Proceedings of ISMIR 2000, Plymouth, MA . |
| | | "Audio Information Retrieval (AIR) Tools," Tzanetakis, G. et al., Proceedings of ISMIR 2000, Plymouth, MA." "ARTHUR: Retrieving Orchestral Music by Long-Term Structure," J. Foote, Proceedings of ISMIR 2000, Plymouth, MA" "Mel Frequency Cepstral Coefficients for Music Modeling," B. Logan, Proceedings of ISMIR 2000. |

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## OTHER DOCUMENTS     *(Including Author, Title, Date, Pertinent Pages, Etc.)*

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| | | Moodlogic, www.Moodlogic.com, http://www.moodlogic.com/p117.html.<br><br>Relatable, www.Relatable.com, http://www.relatable.com/tech/engine.html. |
| | | "A Comparison of Language modeling and Probabilistic Text Information Retrieval Approaches to Monophonic Music Retrieval," J. Pickens, Proceedings of ISMIR 2000, Plymouth, MA.<br><br>"NODElib Documentation," G.W.  Flake,http://www.neci.nj.nec.com/homepages/flake/nodelib/html /. |

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| | | "A Tutorial on Support Vector Machines for Pattern Recognition," C.J.C. Burges, Kluwer Academic Publishers, Boston, Manufactured in The Netherlands, 1998;<br><br>"Neural Networks for Real World Tasks Limitations and Solutions," S.R. Lawrence, page 39 of thesis dated August 12, 1996. |

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| | | ·The Nature of Statistical Learning Theory," V.N. Vapnik, pages 133-141, 1995. Bitbop, www.Bitbop.com, http://www.bitbop.com/press-bp20010508.html |
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